

Subject: Separate Science – Physics

| Date (w/b) | Exams | Unit(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 02/09/2024 |       | <b>P11 - Force and pressure</b> <ul style="list-style-type: none"> <li>• P11.1 - Pressure and surfaces</li> <li>• P11.2 - Pressure in a liquid at rest</li> <li>• P11.3 - Atmospheric pressure</li> <li>• P11.4 - Uplthrust and flotation</li> </ul> <b>P12 – Wave Properties</b> <ul style="list-style-type: none"> <li>• P12.1- Nature of Waves</li> <li>• P12.2 – Properties of Waves</li> <li>• P12.3 – Reflection &amp; Refraction</li> <li>• P12.4 – More about waves</li> <li>• P12.4 – Required Practical</li> <li>• P12.5 – Sound waves</li> <li>• P12.6 – Uses of Ultrasound</li> <li>• P12.7 – Seismic waves</li> </ul> |
| 09/09/2024 |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 16/09/2024 |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 23/09/2024 |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 30/09/2024 |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 07/10/2024 |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 14/10/2024 |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 21/10/2024 |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 04/11/2024 |       | <b>P12 – Wave Properties</b> <ul style="list-style-type: none"> <li>• P12.7 – Seismic waves</li> </ul> <b>P13 – Electromagnetic Spectrum</b> <ul style="list-style-type: none"> <li>• P13.1 – The Electromagnetic Spectrum</li> <li>• P13.2 – Light, IR, Microwaves &amp; Radiowaves</li> <li>• P13.3 – Communication</li> <li>• P13.4 – UV, X-ray &amp; Gamma Ray</li> </ul> <b>P14 - Light</b> <ul style="list-style-type: none"> <li>• P14.1 – Required Practical Reflection of light</li> <li>• P14.2 – Required Practical Refraction of light</li> <li>• P14.3 - Light and colour</li> </ul>                                  |
| 11/11/2024 |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 18/11/2024 |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 25/11/2024 |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 02/12/2024 |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 09/12/2024 |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 16/12/2024 |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 06/01/2025 |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 13/01/2025 |       | <b>P14 – Light continued.</b> <ul style="list-style-type: none"> <li>• P14.4 - Lenses</li> <li>• P14.5 - Using lenses</li> </ul> <b>P15 – Electromagnetism</b> <ul style="list-style-type: none"> <li>• P15.1 – Magnetic fields</li> <li>• P15.2 – Magnetic fields of electric current</li> <li>• P15.3 – Electromagnets in devices</li> <li>• P15.4 – The motor effect (HT)</li> <li>• P15.5 – The generator effect (HT)</li> <li>• P15.6 – The alternating current generator (HT)</li> <li>• P15.7 – Transformers (HT)</li> <li>• P15.8 – Transformers in action (HT)</li> </ul>                                                 |
| 20/01/2025 |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 27/01/2025 |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 03/02/2025 |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 10/02/2025 |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 24/02/2025 |       | <b>PPE 2: AQA GCSE Physics Paper 2 (P8 – 16)</b><br><br><b>P16 - Space</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

# Year 11 Long Term Scheme of Learning 2024-25

## Subject: Separate Science – Physics

|            |  |                                                                                                                                                                                                                                                                                                  |
|------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 03/03/2025 |  | <ul style="list-style-type: none"> <li>• P16.1 - Formation of the Solar System</li> <li>• P16.2 - The life history of a star</li> <li>• P16.3 - Planets, satellites, and orbits</li> <li>• P16.4 - The expanding Universe</li> <li>• P16.5 - The beginning and future of the Universe</li> </ul> |
| 10/03/2025 |  |                                                                                                                                                                                                                                                                                                  |
| 17/03/2025 |  |                                                                                                                                                                                                                                                                                                  |
| 24/03/2025 |  |                                                                                                                                                                                                                                                                                                  |
| 31/03/2025 |  |                                                                                                                                                                                                                                                                                                  |
| 21/04/2025 |  |                                                                                                                                                                                                                                                                                                  |
| 28/04/2025 |  |                                                                                                                                                                                                                                                                                                  |
| 05/05/2025 |  |                                                                                                                                                                                                                                                                                                  |
| 12/05/2025 |  |                                                                                                                                                                                                                                                                                                  |
| 19/05/2025 |  |                                                                                                                                                                                                                                                                                                  |
| 02/06/2025 |  |                                                                                                                                                                                                                                                                                                  |
| 09/06/2025 |  |                                                                                                                                                                                                                                                                                                  |
| 16/06/2025 |  |                                                                                                                                                                                                                                                                                                  |
| 23/06/2025 |  |                                                                                                                                                                                                                                                                                                  |
| 30/06/2025 |  |                                                                                                                                                                                                                                                                                                  |
| 07/07/2025 |  |                                                                                                                                                                                                                                                                                                  |
| 14/07/2025 |  |                                                                                                                                                                                                                                                                                                  |